VENTILATION—PURE AIR.

Sheringham's Ventilator, for the admission of pure air through an

EXTERNAL WALL.

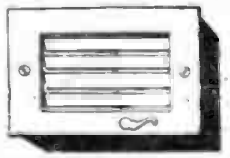
With single pulley, from 6s. each; with leading pulley, from 6s. 6d.

These Ventilators are so arranged that the requisite quantity of air may be admitted for the due ventilation of an apartment without the slightest draught being felt by the occupants; and as they are placed in the external wall, their action is not impeded when the house is closed for the evening, at which time a constant supply of fresh air is most required.—HAYWARD, BROTHERS, and Manufacturers, 198, Blackfriars-road, and 117, Union-street, Borough; and of all respectable Ironmongers in London, &c.

A PRIZE MEDAL for SUPERIOR

LOCKS was awarded to J. H. BOBBYER at the Great Exhibition of 1851.

REGISTERED VENETIAN VENTILATOR,



For admission of external air or carrying off impure air from rooms, from 6s. 6d. each.—Class 27, Great Exhibition.

J. H. BOBBYER and Co., Ironmongery, Brass Founding, Nail and Tool Warehouse, 14, Stanhope-street, Clare-market, London. Established nearly 200 years for the sale of goods from the best manufacturers at the lowest prices.

WARMING by HOT WATER.—

J. WEEKS and CO., King's-road, Chelsea.—A great variety of plain and ornamental apparatuses, consisting of Pedestals, and Stacks of Pipes for warming Churches, Mansions, Warehouses, Offices, Drying-rooms, Conservatories, &c. &c.—To be seen in extensive operation on our Premises at Chelsea, and also at Mr. STOCKEN'S extensive carriage repository, Halkin-street, Hyde-park-corner.

WARMING AND VENTILATION.—

D. and E. BAILEY, 472, Hoiborn, having had many years' experience in Warming Buildings by Hot Water, continue to erect HOT-WATER APPARATUS on the most improved principles for Mansions, Conservatories, and other Horticultural Buildings; and they also erect Conservatories, Hothouses, &c., in wood or metal. D. and E. BAILEY invite the public to an inspection of their stock of Stoves, Fenders, Fire-irons, &c., as well as a most complete and economical Portable Cooking Apparatus, or "Cottager's Stove," equally suitable for Cottages, Shooting-boxes, Yachts, or for persons emigrating.

Dr. Arnott's Ventilating Valve.

WARMING and VENTILATING.—

COTTAM and HALLEN, 2, Windsor-street, Oxford-street, having had thirty years' experience, and having warmed by the circulation of hot water upwards of FOUR THOUSAND BUILDINGS, consisting of Churches, Prisons, Lunatic Asylums, Halls and Staircases, Galleries, Conservatories, Forcing-houses, &c., can with confidence recommend their system, which, by the various improvements they have made has PERFECTED THE CONSTRUCTION AND ECONOMIZED THE EXPENSE. Greenhouses, Conservatories, Verandahs, constructed entirely of iron or wood, and of iron and wood combined. Estimates upon application.

COTTAM and HALLEN, Engineers and Iron'anders.
2, Windsor-street, Oxford-street, London.

NOIRSAIN'S VENTILATING GRATES

and STOVES.—A long want at last obtained. Great Economy in Fuel.—entire Prevention of Smoking in Chimneys and Perfect Regulation of the Temperature of Rooms, effected by the new Ventilating Grates, which may be applied to any fire-place.

The Proprietors solicit the attention of the public and scientific men to the patent apparatus,—the utility and superior advantages of which will be satisfactorily demonstrated at the Depôt, 131, REGENT-STREET, to any visitor. The highest testimonials given. Prices, from Two Guineas upwards. S. KIDD, Agent.

GREAT EXHIBITION.—DRAWING-

ROOM GRATES and FENDERS to which the GREAT or COUNCIL MEDAL was AWARDED.

J. L. BENHAM and SONS beg to intimate that these beautiful Stoves and Fenders which were so generally admired for their artistic design and elaborate workmanship, may now be viewed in their EXTENSIVE SHOW-ROOMS, and respectfully invite ARCHITECTS and Others engaged in Building to inspect them there.

WARM AIR STOVES for CHURCHES, HALLS, &c. &c., simple in construction, ornamental in design, and thoroughly effective, of various sizes and prices.

J. L. BENHAM and SONS' MANUFACTORY and SHOW-ROOMS, 19, WIGMORE-STREET, CAVENDISH-SQUARE.

PRIZE MEDAL for COOKING

APPARATUS awarded to J. L. BENHAM and SONS.

The IMPROVED FAMILY RANGE will roast, boil, bake, fry, &c. &c., for a large family, with an average consumption of 1½ lb. of coal per day. It has an open fire, is perfectly simple, and of moderate cost.

Specimens of these excellent and economical Ranges, and also of the most improved Broiling Stoves, Hot Closet, Hot Tables, Ovens, &c. &c., so lately exhibited in HYDE PARK, may be inspected at the MANUFACTORY and SHOW-ROOMS. A Gas Cooking Apparatus is in daily operation.

J. L. BENHAM and SONS, Stove, Range, and Bath Manufacturers, Hot-water and Gas Engineers, &c., 19, WIGMORE-STREET, CAVENDISH-SQUARE, LONDON.

TO BUILDERS, CARPENTERS, CABINET-MAKERS, &c.

JOHN DALE, 18 and 19, Chiswell-street,

Finsbury-square, respectfully invites the above Trades to the inspection of his immense stock of Ironmongery, which cannot be surpassed in variety, quality, and cheapness by any house in London.

Elliptic Stoves, double backs,
2½d. per inch, and upwards.
Register Stoves, 4½d. 5d. 6d. 6½d. 7½d. per inch.

Self-acting Ranges, with circular ovens and flank boilers, best wrought bars and bright fittings:—

2 ft., 2l. 10s.; 2 ft. 6 in., 3l. 5s.; 3 ft., 3l. 15s.

3-feet Cottage Ranges, with ovens and back boilers, 12s. each.

3-feet self-acting ditto, ditto, 25s. each.

Air Bricks, 2s. 3d. per doz.

Inch Cut Lath Nails, 1s. 6d. per cwt.

Best Patent Cut Clasp,

1½	1¾	2	2½	3 inch and larger.
1s. 6d.	1s.	12s.	12s. 6d.	13s. per cwt.

Best Sheet Flour Brass, 1s. 6d. per cwt.
Best Town Glue, 28s. Ditto, Scotch, 32s. per cwt.

Best Patent Sash Line

1	2	3	4	5	6
4s.	5s. 6d.	8s. 6d.	7s.	9s.	10s. 6d. per gross

List of Prices had on application at the Warehouse, or by letter prepaid.

THE NEW SYSTEM of GAS COOKING.

Bennett's patent System of ROASTING BELOW the BURNER has brought cooking by gas to absolute perfection, every prejudice and every objection against it being entirely overcome. Its economy also, is most extraordinary. His Portable Gas Kitchens cook chops or steaks in seven minutes, and roasts, boils, fries, steams, and toasts, with only three farthings' worth of gas per hour. Equally surprising improvements in the application of gas to baths, stoves, and other heating purposes, are exhibited at the patentee's, No. 38, Lisle-street, Leicester-square. Also, his Patent Pyramidic Kettle-top, applied to gas lights, producing the appearance of three perfect flames, and a great increase of light.

COPPER BOILERS, of various Shapes,

for HEATING BATHS and CONSERVATORIES.

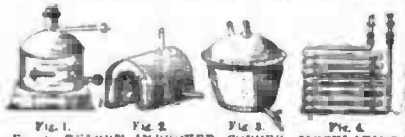


Fig. 1. Fig. 2. Fig. 3. Fig. 4.

Fig. 1. TYLOR'S IMPROVED COPPER CIRCULATING BATH BOILER, on Iron Frame complete for fixing.—Fig. 2. COPPER RIVETTED ARCH TOP BOILER for large Greenhouses or Public Buildings, from four to forty gallons.—Fig. 3. LOCK-TOP COPPER, with draw-off cock, for Public Baths, from fifteen to one hundred and fifty gallons.—Fig. 4. TINNED COPPER COIL PIPES for HEATING BATHS, by passing Water through the Kitchen Range Boiler. —Apply to Ironmongers or Plumbers, or to the Manufacturers, J. TYLOR and SON, Warwick-lane, London.

CLARK and HUNT'S IRONMONGERY,

STOVE and METAL WAREHOUSE, 139, Shoreditch.

Improved Self-acting Cottage Ranges,	20	22	24	26 inch
with Large Oven and Boiler	28s.	30s.	32s.	34s.
Best Self-acting Ranges, with Oven and	24	26	28	42 inch.
Back Boiler, Bright Wrought Bars	34s.	36s.	38s.	42s.
Strong Elliptic Stoves, with Extra Back and Solid Bars, per inch, 6d.				

Register Stoves, with Solid Bars, per inch, 3d. Best Solar ditto, with Fire Brick Back, per inch, 10d.

Bright Stoves, with Two Pirns, 30s. to 100s. each.

Cast Rain-water Pipe	2	3	3 inch.
	9d.	10d.	1s. per yard.

Cast Gutters—4 inch, 8d. per yard.

O. G. Gutters	4	4½ inch.
	11d.	1s. per yard.
Best Cut Clasp	1½	1¾	2	2½	3 inch.
and Rose	1s. 6d.	1s.	12s. 6d.	12s. 6d.	12s. per cwt.

Sheet Flooring Brads, 1½, 6d. per cwt.

1 inch Cut Lath, 1s. 6d. Cast Lath, 3s. 6d.

4 inch 3-Bolt Rd. Ward Mortice, with best Furniture and Patent Spindles, 3s. 9d. Light Elliptic and Register Metal, 12s. per cwt.

Hot Water Pipes, 3s. 6d. per cwt.

Dr. Arnott's Ventilators, 5s. each.

An extensive stock of bar, rod, hoop, and sheet iron.

Clark and Hunt's Improved Oil-sun Paper.

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MAPPLEBECK and LOWE, Birmingham, Manufacturers and General Ironmongers, supply the trade with Locks, Bolts, Hinges, Nails, Screws, and every kind of Ironmongery, at the lowest wholesale prices. Stove grate and kitchen range manufacturers. Drawings and prices on application.

NAILS and IRONMONGERY, direct from BIRMINGHAM.

Builders, Contractors, and others supplied with Nails and Ironmongery of every description at the

LOWEST BIRMINGHAM PRICES;

a full printed list of which will be forwarded upon application.

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LOSH, WILSON, and BELL,

NEWCASTLE-ON-TYNE,

Manufacturers of Best Iron, Railway Bars, Forge and Engine Work, Cast-iron Goods, and

STEWART'S PATENT CAST-IRON GAS and WATER PIPES.

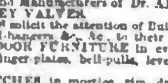
Office, No. 7, Size-lane, London.

TO IRONMASTERS, RAILWAY

DIRECTORS, ENGINEERS, and FOUNDERS.—The Subscriber having been appointed SOLE AGENT in LONDON for the SALE of Mr. MORRIES STIRLING'S PATENT IRON, begs to intimate that he is prepared to supply railway companies, engineers, and founders, with the PATENT MALLEABLE and TOUGHENED CAST IRON, and that all orders addressed to him for these, and also for RAILS, with hardened surfaces, shall have his prompt attention. Specimens of the different irons shown, and every information afforded on application. Information as to the terms of license under Mr. Stirling's Patents will be given by the Subscriber, and also by Mr. JAMES CLEE, 4, John-street, Adelphi, Paul's Wharf, 23, Upper Thames-street. A. MACNAUGHT.

COLLINGE'S PATENT HINGES.—Sole

Manufacturers, CHARLES COLLINGE and CO., 85 and 86, Bridge-road, Lambeth, where a great variety are always on view for church, park, railroad, coachhouse, and other gates and doors of large and small dimensions, a gate of a ton weight moving with these hinges as easily as a wicket. Ornamental hinges, adapted for drawing-rooms, &c.; doors fitted with them may be removed and replaced in an instant. Rising and double-acting spring hinges, and superior cabinet hinges, at moderate prices. None genuine unless marked "Charles Collinge, Patent, Lambeth." Plain and ornamental cast and wrought iron work, for building and other purposes. Engines, machinery, patent sale-trees, sugar mills, &c.



TO BUILDERS AND OTHERS.

HART and SONS, Wholesale and Manu-

facturing Ironmongers, Nos. 33, 34, and 35, Wych-street, Strand, Established 1819. Proprietors and sole Manufacturers of PITT'S PATENT SELF-ADJUSTING DOOR FURNITURE and SPINDLES, and Manufacturers of Dr. ARNOTT'S VENTILATING CHIMNEY VALVES.

HART and SONS solicit the attention of Builders, House Decorators, Smiths, Bell-hangers, &c., &c., to their extensive and well selected stock of DOOR FURNITURE in every suitable material, on ovals with finger-plates, bell-pulls, levers, &c., and also to their

LOCKS and LATCHES in mortice, rim, drawback, iron gate, cabinet, &c., of all qualities, including Barron's, Bramah's, Chubb's, and Pitt's Patent.—To their

GENERAL IRONMONGERY, wrought and cut nails, screws, hinges, bolts, &c., &c.

BRASS FOUNDRY.—Bell cranks of all descriptions, cornice poles, picture rods, skew door handles, desk and hat rails, window guards, Exmouth-plate bolts, &c., &c.

WINDOW FITTINGS of all kinds, including brackets, rods, arms, sliding sockets, traps, &c. &c.

DOOR SPRINGS and HINGES, including Redmond's, Smith's, Collinge's, Gerish's, and Cotterell's patents.

WINDOW BLIND FITTINGS of the most approved principle.

SHERINGHAM'S and all other VENTILATORS.

LEAN'S RACK BOLT MORTICE LOCKS, for which they are AGENTS, as well as for all inventions of merit as soon as perfected.

HART and SONS, aware that the practice of publishing NET price-lists is injurious to the interests of the trade generally, are unwilling to follow it, but at the same time they beg to assure their friends that their prices will be found equally as low as those of any other respectable house.

IRON FOUNDRY, 80, Goswell-street (late of

Brick-lane, St. Luke's.—J. J. JONES, having made great additions to his STOCK of PATTERNS, begs to inform the Trade, that he can now supply them with Plain and Ornamental Iron Columns, Girders, Railings, Gates, Iron Coping, Balconies, Window Guards, Verandahs, Ornamental Staircase Panels, Iron Staircases, Tan Enclosures, Trellis Panelling, Lamp and other Brackets, Quarry-lovers, Bowel Bars, Water Closet Work, Area Gratings, Fly and other Wheel Plates, &c.

HAMMER-MEN'S WORK, Forge Backs and Troughs, Range Water Pipes and Gutters, Sash Weights, Furnace Bars, Hobb Ranges, &c., always in stock.

FOUNDRY AND IRON WORKS,

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GLOVER, BROS.,

Solicit the attention of the Trade to their extensive Stock of PATTERNS for CASTINGS of EVERY DESCRIPTION either Structural or ornamental.

Patterns of Girders, Cellarets, Balconies, Railing, Ornamental Casting and Park-Gates, Lamp and Street Posts, Tanks, Pipes, Wheels, Pinions, Lathes, and Steam-engines; Range and Hot-plate Stand. An improved Street Door adapted for internal work.

A large stock of Rain-water Pipes, Flats and O.G. Gutters, Air-bricks, Sash Weights, Air-tight Sewer Grates, Stable Fittings, Hurdles, &c.

Plain and Ornamental Vases 20 per cent. cheaper than Terra cotta.

Estimates given for Iron Buildings, Wrought-iron Roofing, Hot-water Pipes, Staircases, Wrought-iron Girders, Fireproof Doors, Book safes and Strong Rooms, Trades and Builders, and every description of Ironwork to specification, and the work executed with every attention to quality and despatch.

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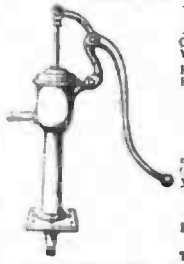
TO ARCHITECTS, BUILDERS, AND BRICK-MAKERS.

PUMPS of Superior CONSTRUCTION,

bored perfectly true by improved machinery, in various plain and ornamental patterns for Conservatories, Squares, Market Places, Roads, Gardens, and for Liquid Manure. BRICK-MAKERS' PUMPS, to Wrought and Cast Iron. HYDRAULIC LIFT PUMPS, and ENGINES for Wells of any depth. SINGLE and DOUBLE PUMPS up to twelve-inch bore, kept for Hire.

JESSE POWLER (late of 69, Dorset-street), removed to the new Factory, Whitefriars-street, Fleet-street.

FARM AND COTTAGE PUMPS.



PATENT CAST-IRON

PUMPS, for the use of Farm Cottages, Manure Tanks, and Stable Wells.

Patent Pump	£1 12
Patent Pump, with 15 feet of lead pipe attached, and bolts and nuts ready for fixing	2 6

Larger sizes if required.

May be obtained of any Ironmonger or Plumber in Town or Country, or of the Patentee and Manufacturers,

JOHN WARNER and SONS,
8, Crescent, Jewin-street, London.

Every description of Machinery for Raising Water, Fire, Engines, &c.

The usual allowance to the Trade.

CHURCH and TURRET BELLS

cast to any weight, and tuned. Ship, plantation, house, sheep, cow, and clock bells of any size.

MUSICAL HAND BELLS

Tuned to the chromatic scale, with improved clappers, and plated on a new system, which gives a superior tone and facility for ringing.

Memorial Brasses, Pulpit Lights, and Brackets, &c.

Old Bells recast or taken in exchange.

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CHUBB'S WROUGHT-IRON and FIRE-

PROOF DOORS and FRAMES, for strong Rooms. A large stock of the above, of all sizes, made in the best manner, and of different strengths. Fitted with CHUBB'S PATENT DETECTOR LOCKS, throwing from two to twenty bolts, can easily be had on sale, at very moderate prices. FIRE-PROOF SAFES of every size, and Patent Detector Locks and Latches for all purposes.—C. CHUBB and SON, sole Manufacturers, 57, St. Paul's Churchyard, London.

HOBBS' PATENT AMERICAN LOCK

COMPANY.—Provisionally registered under the Joint Stock Companies Act, 7th and 8th Victoria, c. 110. Capital £50,000 in 10,000 shares of £5 each. The first call will not exceed £1 per share.

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The above Company has been formed for the purpose of more effectually bringing into public use the lock lately brought to England by Mr. Hobbs, and patented here, and which has attained such great celebrity during the existence of the Great Exhibition, and the excellence proved by the fact of the Prize Medal, with several appendages, independently of five gold medals from different Scientific Institutions in the United States and the Continent of Europe having been awarded to the inventor.

It is proposed by means of this Company to purchase the two patents for a certain sum, one half to be paid in four equal instalments, and the remaining half from the profits of the business, subject to an arrangement with Mr. Hobbs, and to secure his services as Managing Director, by which means, within a short time after the formation of the Company (without any outlay for buildings or machinery), the locks can be manufactured at Walker-hampton or elsewhere, which can be sold at prices varying from an amount as low as 8s., and upwards even as high as 8s., all of them perfectly secure against being picked, and which at a very moderate estimate of the number likely to be sold, at the rate of profit actually realised by their sale in America, will yield results such as must amply to remunerate all who may embark in the Company.

Applications to be made for shares to Lewis H. Haslewood, Esq., 13, Angel-court, Throgmorton-street, or to Richard Cattarns, Esq., 25, Mark-lane, Solicitor to the Company, of whom prospectuses and every information may be obtained.

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